Exploratory Analysis of Rain Fall Data in India for Agriculture

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ABSTRACT

Agriculture plays an essential role in human life as food is basic need, it also plays a major role in economic growth and development of country. It is useful in helps to reduce poverty. Rainfall causes various problem such as drought, rotten. low rainfall increases the expenditure. Rainfall analysis is an important application in meteorology and has been one of the most scientifically and technologically challenging problems around the world. Without analyzing farmers meets lots of issues such as loss, they can't arrange resources water, cost, they can't able choose which type of crop suits for particular season. Rainfall analyzed in terms of weeks, months years. Rainfall analysis help for farmers to detect the weather, rainfall and also helps to secure the crops from any climatic changes, this helps for farmer to predict the timing and amount of water needed for sowing of crops. The analyses compare various metrics for evaluating these machine learning techniques and their accuracy in predicting rainfall by analyzing weather data. Random forest, KNN the classification algorithms Decision tree and will be used. With this algorithm we evaluate the data. The best model are chosen and saved in PKL format, Following model was saved ,we as unified it with the Flash application and setup the model in IBM cloud